

PATENT APPLICATION

Sheet 1 of 9

FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 10030589-1	SERIAL NO. N/A
	APPLICANT Daniel B. Roitman et al.	
	FILING DATE Herewith	GROUP N/A

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	*	DOCUMENT NUMBER	DATE	NAME
UJ	*	4,390,452	06/28/83	Stevens
	*	5,266,222	11/30/93	Willis et al.
	*	5,294,476	03/15/94	Calhoun
	*	5,568,555	10/22/96	Shamir
	*	5,891,738	04/06/99	Soini et al.
	*	6,002,250	12/14/99	Hoch et al.
	*	6,100,026	08/08/00	Nova et al.
	*	6,266,459	07/24/01	Walt et al.
	*	6,274,323	08/14/01	Bruchez et al.
	*	6,284,459	09/04/01	Nova et al.

FOREIGN PATENT DOCUMENTS

	*	DOCUMENT NUMBER	DATE	NAME	TRANSLATION	
					YES	NO
UJ	*	WO 00/16893	03/30/00	Dames et al.		x
UJ		WO 00/63695 ✓	10/26/00	De Smedt et al.		X
UJ	*	WO 01/25002	04/12/01	Natan et al.		X

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

UJ	*	I. Sander, White paper: Fluorescent Multilayer Optical Data Storage. Retrieved from www.semiconductorfabtech.com/datatech/journals/edition6/section1.shtml . Last updated 2000.
UJ	*	U.E. Spichiger, T. Nezel, G. Zhylyak, T. Hug, M. Linnhoff, S. Spichiger, A. Falker, G. Mohr. Miniaturized Chemical Sensors (MICS). Retrieved from www.chemsens.ethz.ch/HTMLPresentationFolder1/index.htm . July 2, 2001.
UJ	*	Colburn, M. et al. Step and Flash Imprint Lithography: A New Approach to High-Resolution Patterning. Retrieved from www.sfil.org/research/papers/spie99.pdf . 1999. Proc. SPIE, 1999, Vol. 3676, pp379-389

EXAMINER /Unsu Jung/	DATE CONSIDERED 10/05/2006
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	*	DOCUMENT NUMBER	DATE	NAME
UJ	*	6,327,410	12/04/01	Walt et al.
	*	6,328,700	12/11/01	Rheinhardt et al.
	*	6,331,273	12/18/01	Nova et al.
	*	6,338,935	01/15/02	Alperovich et al.
	*	6,355,431	03/12/02	Chee et al.
	*	6,479,395	11/12/02	Smith et al.

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	NAME	TRANSLATION	
					YES	NO

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

UJ	*	D. J. Resnick and D. P. Mancini. Release Layers for Contact and Imprint Lithography. Retrieved from www.e-insite.net/semiconductor/index.asp?layout=aarticle&articleid=CA218639. Last updated 2003.
UJ	*	Low-Surface-Energy Photoresist as a Medium for Optical Replication. LLE Review, Vol. 66. Jan-Mar 1996. pp82-85 University of Rochester, Laboratory for Laser Energetics
UJ	*	A. A. Dias, J. Jansen and M. Dorsch. Amide Acrylate versus Urethane Acrylate Monomers in Radiation Curing Formulations. Retrieved from www.radtech-europe.com/diaspagejune.html. June 2002.

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U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

UJ	*	R. Mehnert, A. Sobottka, C. Elsner. Microstructured Polyacrylate Surfaces Generated by UV&EB Curing. Retrieved from www.radtech-europe.com/downloadpapersmay.html . May 2002.
UJ	*	UCSD Researchers Fabricate Tiny "Smart Dust" Particles Capable of Detecting Bioterrorist and Chemical Agents. Retrieved from www.ucsdnews.ucsd.edu/newsrel/science/mcsmartdust.htm . October 3, 2002.
UJ	*	T. Pratt. Removable Media Storage Devices. White Paper, retrieved from www.dell.com . March 2000.

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					YES	NO

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

UJ	*	R. H. Lyons. A Molecular Biology Glossary. July 2, 1998. Retrieved from www.seqcore.brcf.med.umich.edu.
UJ	*	S. M. Lemon and A. G. Barbour. Molecular biology glossary for IDSAA: Glossary of terms commonly used in molecular biology. 1993. Retrieved from www.med.unc.edu.
UJ	*	Assays labeling, signaling & detection glossary. May 20, 2002. Retrieved from www.genomicglossaries.com.

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REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL	*	DOCUMENT NUMBER	DATE	NAME
UJ		2001/0029049A1	10/11/01	Walt et al.
UJ		2002/0022237A1	02/21/02	Xiong et al.

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	NAME	TRANSLATION	
					YES	NO

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

UJ	Optical Waveguide Grating Coupler Sensor Chip. Retrieved from www.microvacuum.com/products/biosensor/OW3200.asp . Last updated 2002.
	2001/0029049 A1. 10/11/01. Walt et al.
	2002/0022237 A1. 02/21/02. Xiong et al.

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EXAMINER INITIAL	*	DOCUMENT NUMBER	DATE	NAME
UJ		2002/0098426A1	07/25/02	Sreenivasan et al.
UJ		2002/0098446A1	07/25/02	Alperovich et al.
UJ		2002/0104762A1	08/08/02	Stonas et al.

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	NAME	TRANSLATION	
					YES	NO

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

*	2002/0098426 A1.	07/25/02.	Sreenivasan et al.
*	2002/0098446 A1.	07/25/02.	Alperovich et al.
*	2002/0104702 A1.	08/08/02.	Stonas et al.

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Sheet 7 of 9

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	APPLICANT Daniel B. Roitman et al.	
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	Herewith	N/A

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL	*	DOCUMENT NUMBER	DATE	NAME
UJ		2003/0082587 A1	05/01/03	Seul et al.
UJ		2003/0003436 A1	01/02/03	Willson et al.
UJ		2003/0148379 A1	08/07/03	Roitman et al.

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	NAME	TRANSLATION	
					YES	NO

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	2003/0082587 A1. 05/01/03. Seul et al.
	2003/0003436 A1. 01/02/03. Willson et al.
	2003/0148379 A1. 08/07/03. Roitman et al.

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EXAMINER INITIAL	*	DOCUMENT NUMBER	DATE	NAME	TRANSLATION	
					YES	NO

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

UJ	D.S. Burgess. Photobleaching Offers Coded Microspheres. Retrieved from http://www.photonics.com/specra/tech/XQ/ASP/techid.1549/%20placement.HomeIndex/QX/read.htm . May, 2003.
UJ	K. Braeckmans et al. Encoding microcarriers by spatial selective photobleaching. Retrieved from http://www.nature.com/cgi-taf/DynaPage.taf?file=/nmat/journal/v2/n3/abs/nmat828.html . February 2, 2003.
UJ	K. Braeckmans. Encoding of Microcarriers. Retrieved from http://allserv.rug.ac.be/farmserv/biofys/staff/kevin_braeckmans.htm . Copyright 2002. Last updated April 9, 2003.

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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

UJ		K. Braeckmans et al. Scanning the Code. Modern Drug Discovery. February 2003, pp. 27-32.
UJ		U.S. patent application serial no. 10/379,107 entitled NEAR-FIELD AND FAR-FIELD ENCODING OF MICROBEADS FOR BIOASSAYS, filed March 4, 2003, Roitman et al. (parent to the present application).

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PTO-1449

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ATTORNEY DOCKET NO.

10030589-1

SERIAL NO.

10/669,620

APPLICANT

Roitman, Daniel B. et al.

FILING DATE

September 24, 2003

GROUP

1641

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	*	DOCUMENT NUMBER	DATE	NAME

FOREIGN PATENT DOCUMENT

		DOCUMENT NUMBER	DATE	NAME	TRANSLATION YES NO

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

*	<i>Penetration-Controlled Reactions in Organized Monolayer Assemblies. 2. Aqueous Permanganate Interaction with Self-Assembling Monolayers of Long-Chain Surfactants</i> , Rivka Maoz et al., <i>Langmuir</i> , Vol. 3, No. 6, 1045-1051, 1987.
*	<i>Mechanism of Reactions on Colloidal Microelectrodes and Size Quantization Effects</i> , Arnim Henglein, <i>Electrochemistry II</i> , E. Steckhan, ed., ISBN 3-540-18226-8, ISBN 0-387-18226-8, Springer-Verlag Berlin, Heidelberg, New York, 112-175, 1988.
*	<i>Small-Particle Research: Physicochemical Properties of Extremely Small Colloidal Metal and Semiconductor Particles</i> , Arnim Henglein, <i>Chemical Reviews</i> , Vol. 89, No. 8, 1861-1873. American Chemical Society, 1989.

EXAMINER

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		DOCUMENT NUMBER	DATE	NAME	TRANSLATION YES NO

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

*	<i>Testing of dye sensitized TiO₂ solar cells I: Experimental photocurrent output and conversion efficiencies</i> , Greg Smestad et al., <u>Solar Energy Materials and Solar Cells</u> , Vol. 32, No. 3, 259-272, March, 1994		
*	<i>Mechanisms of Organic Transformations on Semiconductor Particles</i> , D.W. Bahnemann, <u>Photochemical Conversion and Storage of Solar Energy</u> , ISBN 0-7923-1194-9, 251-276, 1991.		
*	<i>The Study of the Gas-Solid Interaction of Acetic Acid with a Cuprous Oxide Surface Using Reflection-Absorption Spectroscopy</i> , Harland G. Tompkins, <u>Journal of Colloid and Interface Science</u> , Vol. 49, No. 3, 410-421, December, 1974.		
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	*	DOCUMENT NUMBER	DATE	NAME
UJ		2003/0186245 A1	10/2/03	Roitman et al. ←

FOREIGN PATENT DOCUMENT

		DOCUMENT NUMBER	DATE	NAME	TRANSLATION YES NO

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	*	Adsorption of Ordered Zirconium Phosphonate Multilayer Films on Silicon and Gold Surfaces Haiwon Lee et al., <u>Journal of Physical Chemistry</u> , Vol. 92, No. 9, 2597-2601, 1988.
	*	2003/0186245 A1. 10/2/03. Roitman et al.
UJ	*	<i>Spontaneously Organized Molecular Assemblies. 1. Formation, Dynamics, and Physical Properties of n-Alkanoic Acids Adsorbed from Solution on an Oxidized Aluminum Surface</i> , David L. Allara, <u>Langmuir</u> , Vol. 1, No. 1, 45-52, 1985.

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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

UJ	*	<i>Visible-Light Detoxification and Charge Generation by Transition Metal Chloride Modified Titania</i> , Ling Zang et al., <i>Chem. Eur. J.</i> , Vol. 6, No. 2, 379-384, 2000.		

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